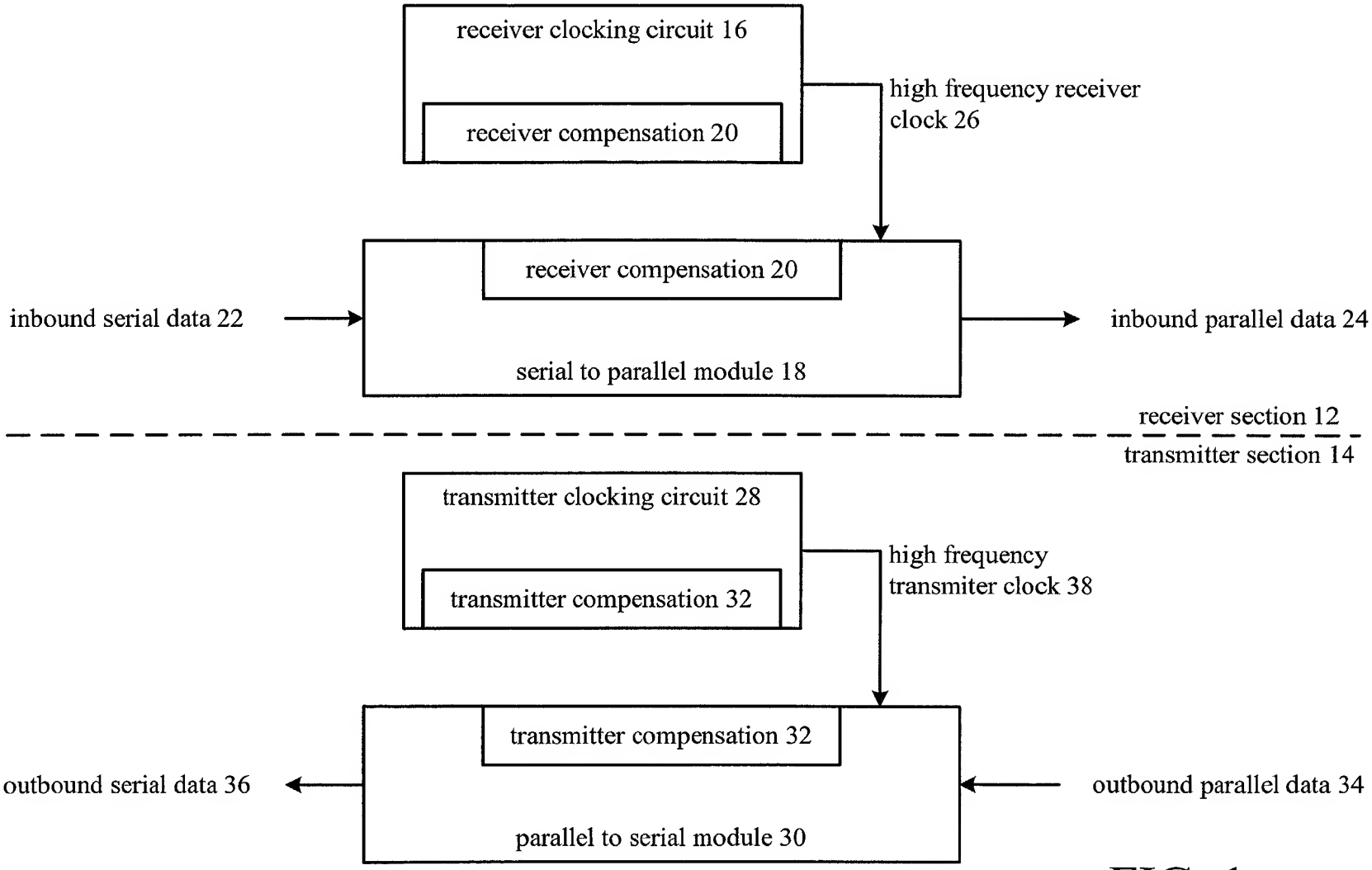

FIG. 1

transceiver 10

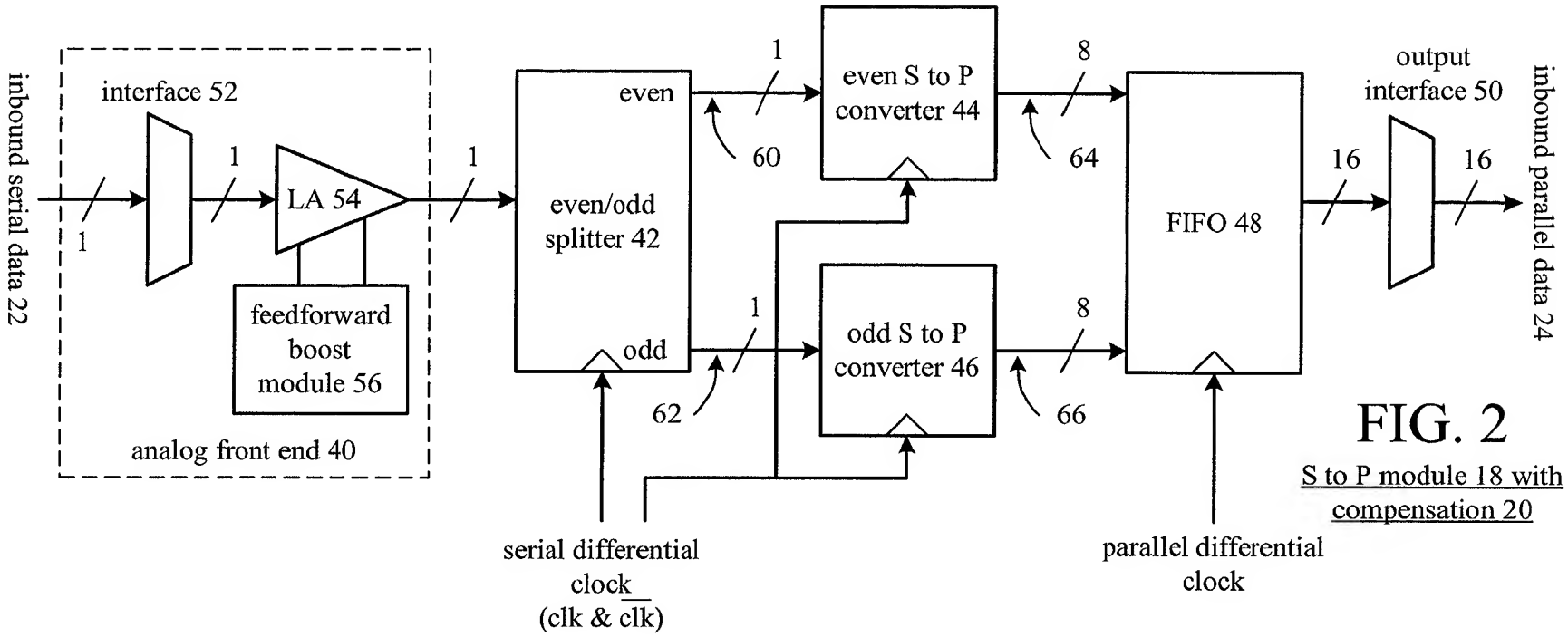

FIG. 2

S to P module 18 with compensation 20

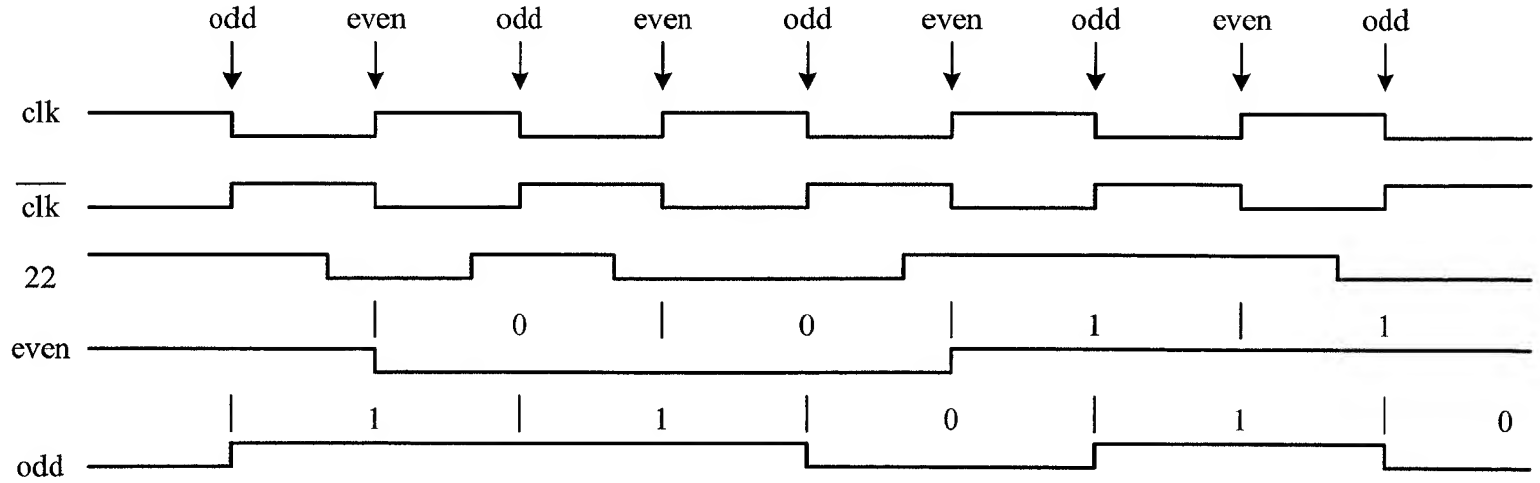

FIG. 3

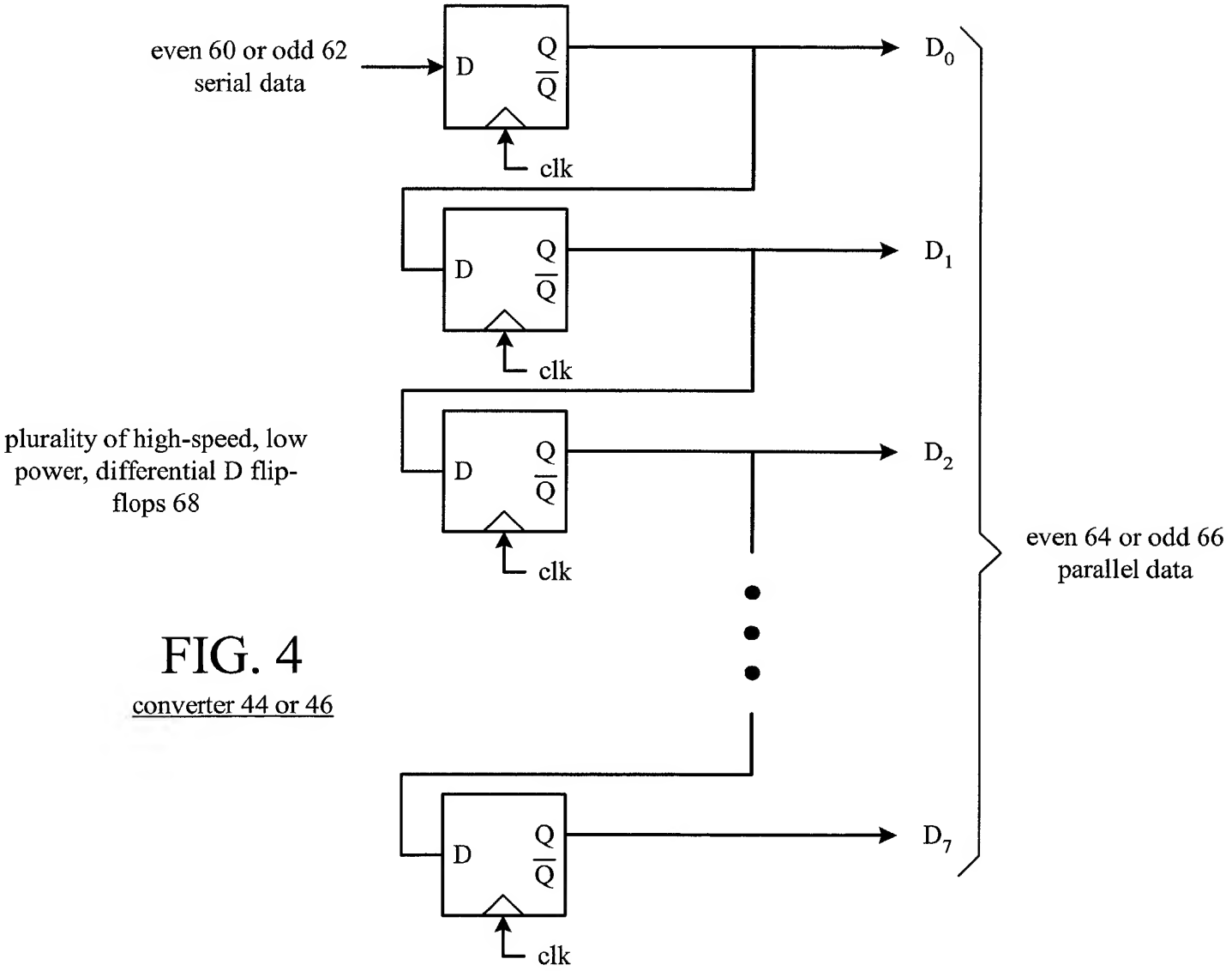

FIG. 4

converter 44 or 46

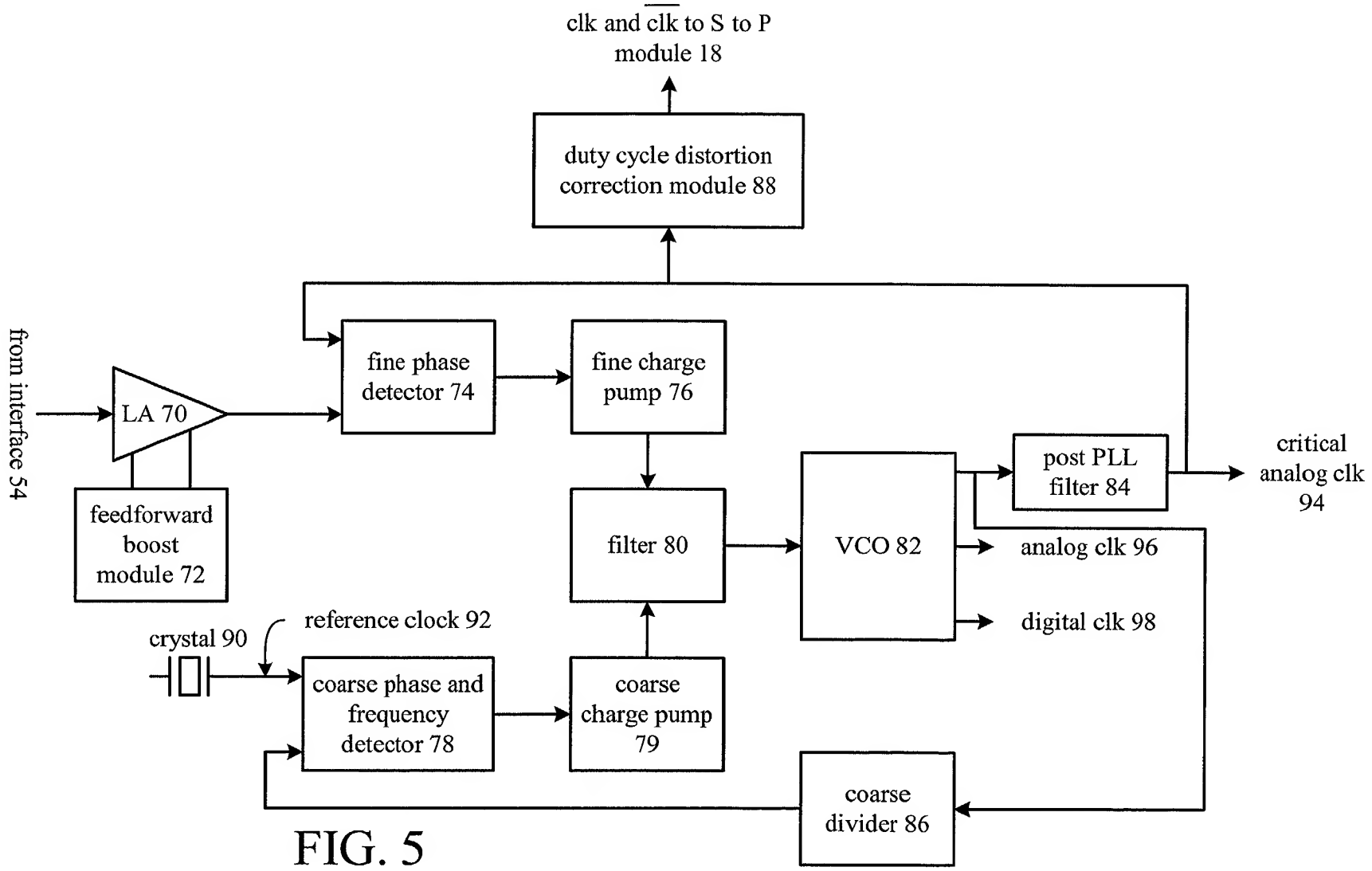

FIG. 5

Rx clocking circuit 16 with compensation 20

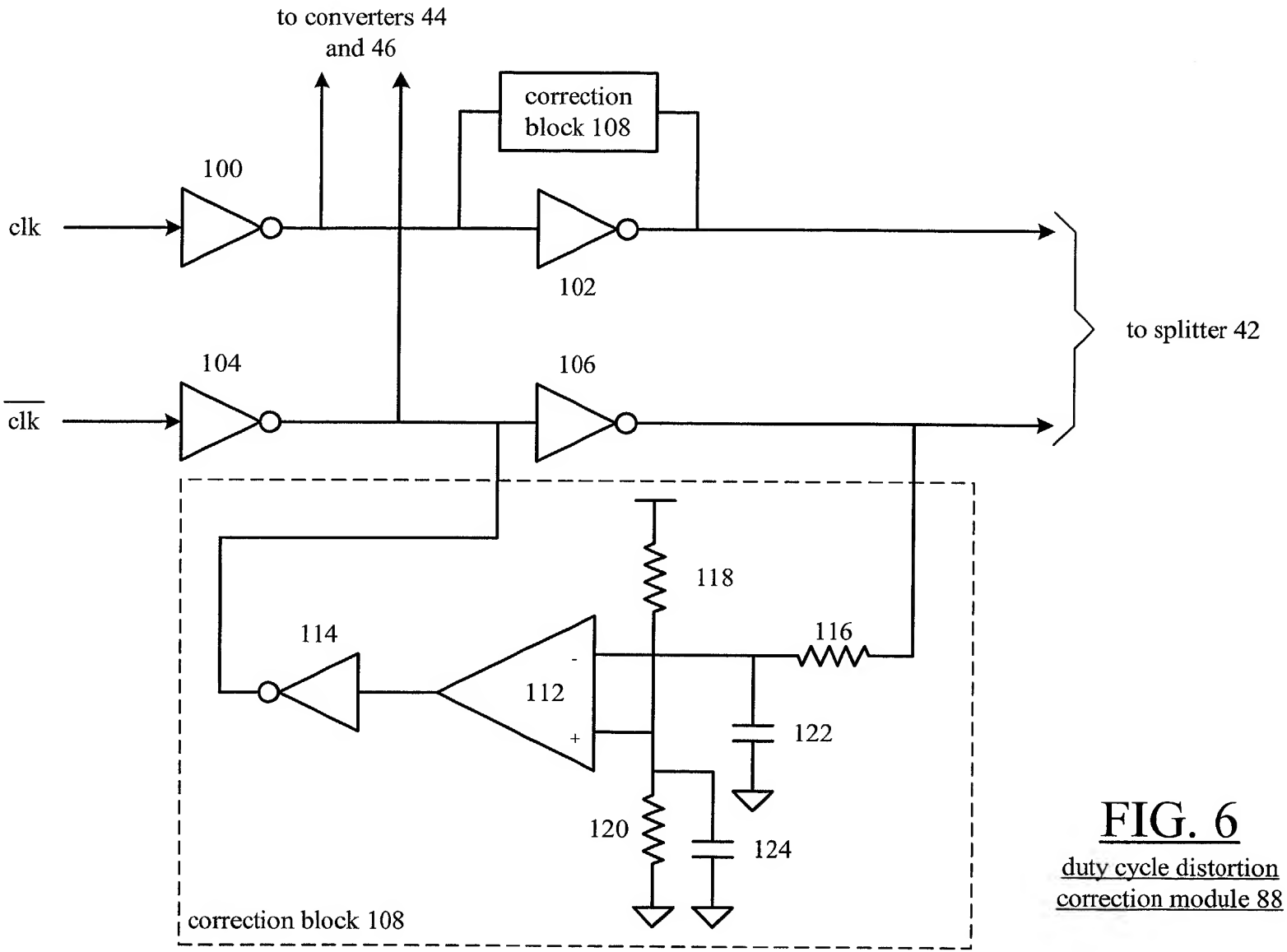

FIG. 6

duty cycle distortion
correction module 88

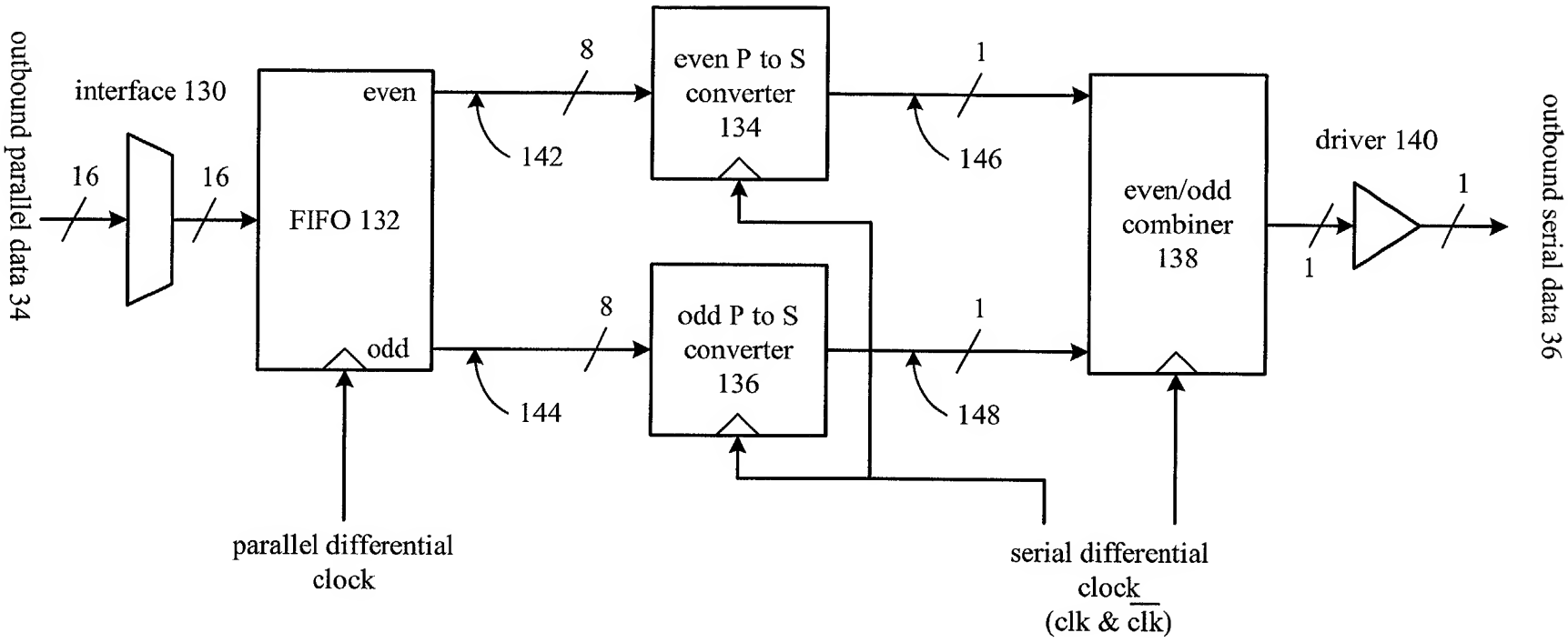

FIG. 7

P to S module 30 with compensation 32

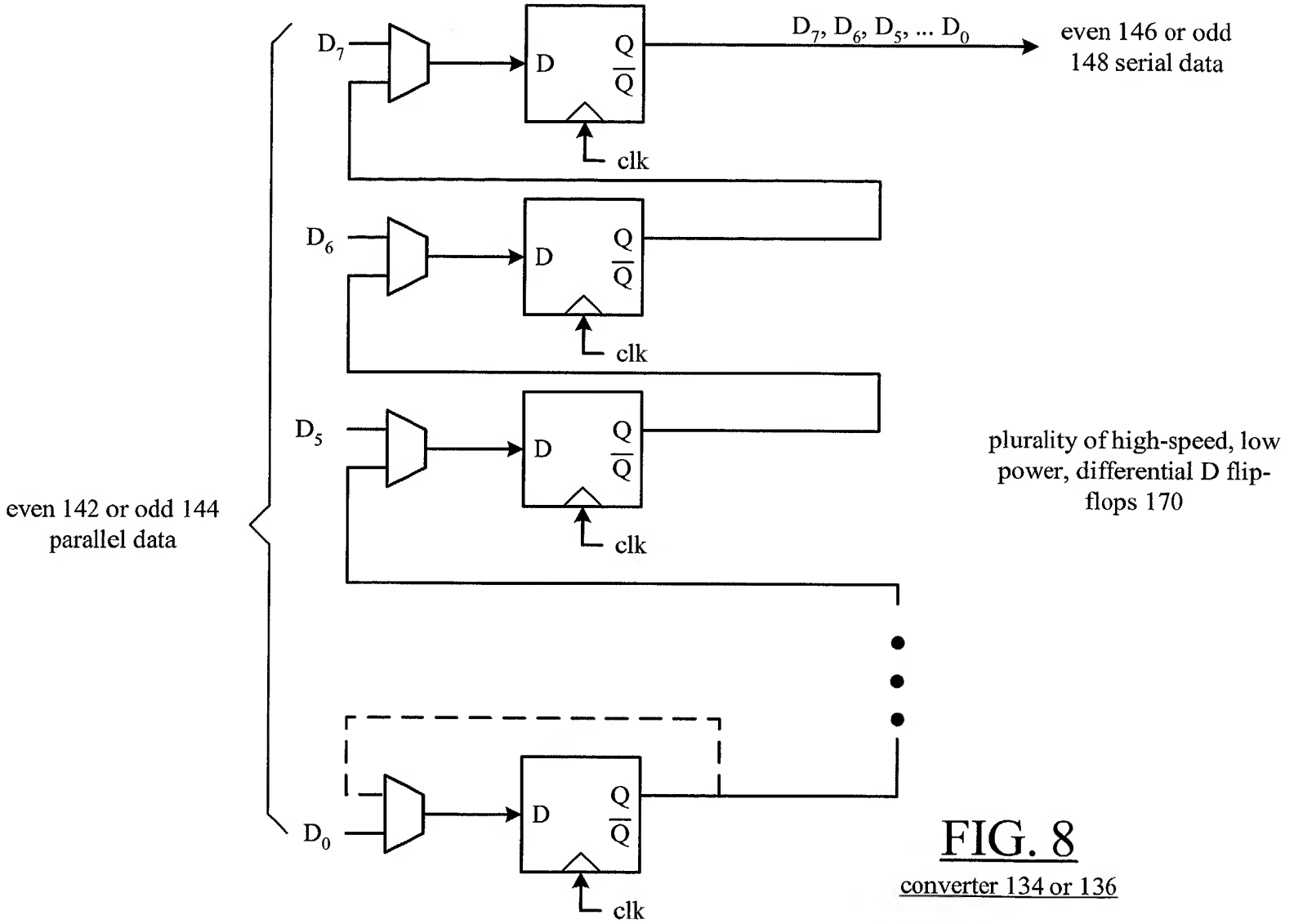

FIG. 8

converter 134 or 136

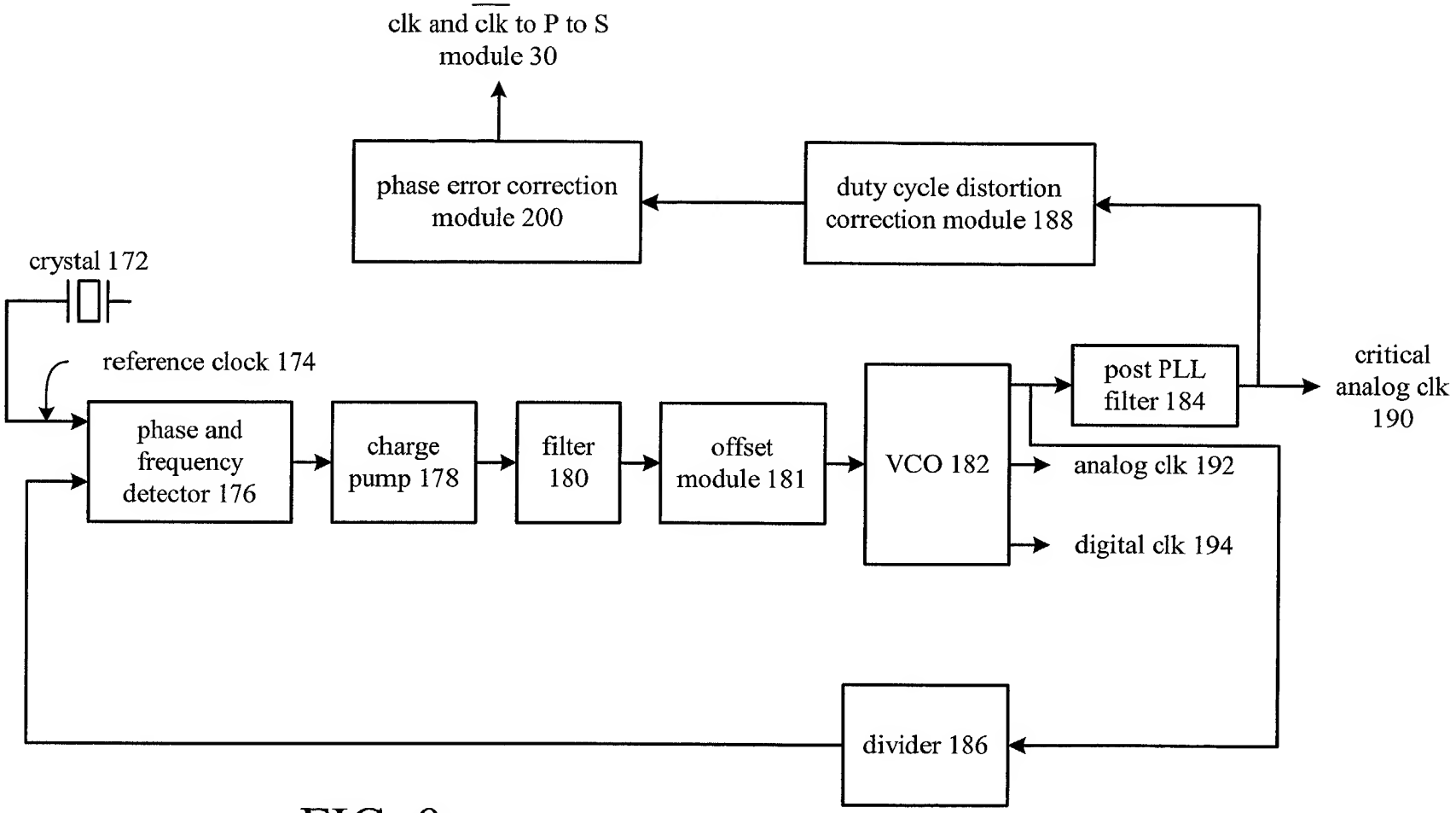

FIG. 9

Tx clocking circuit 28 with compensation 32

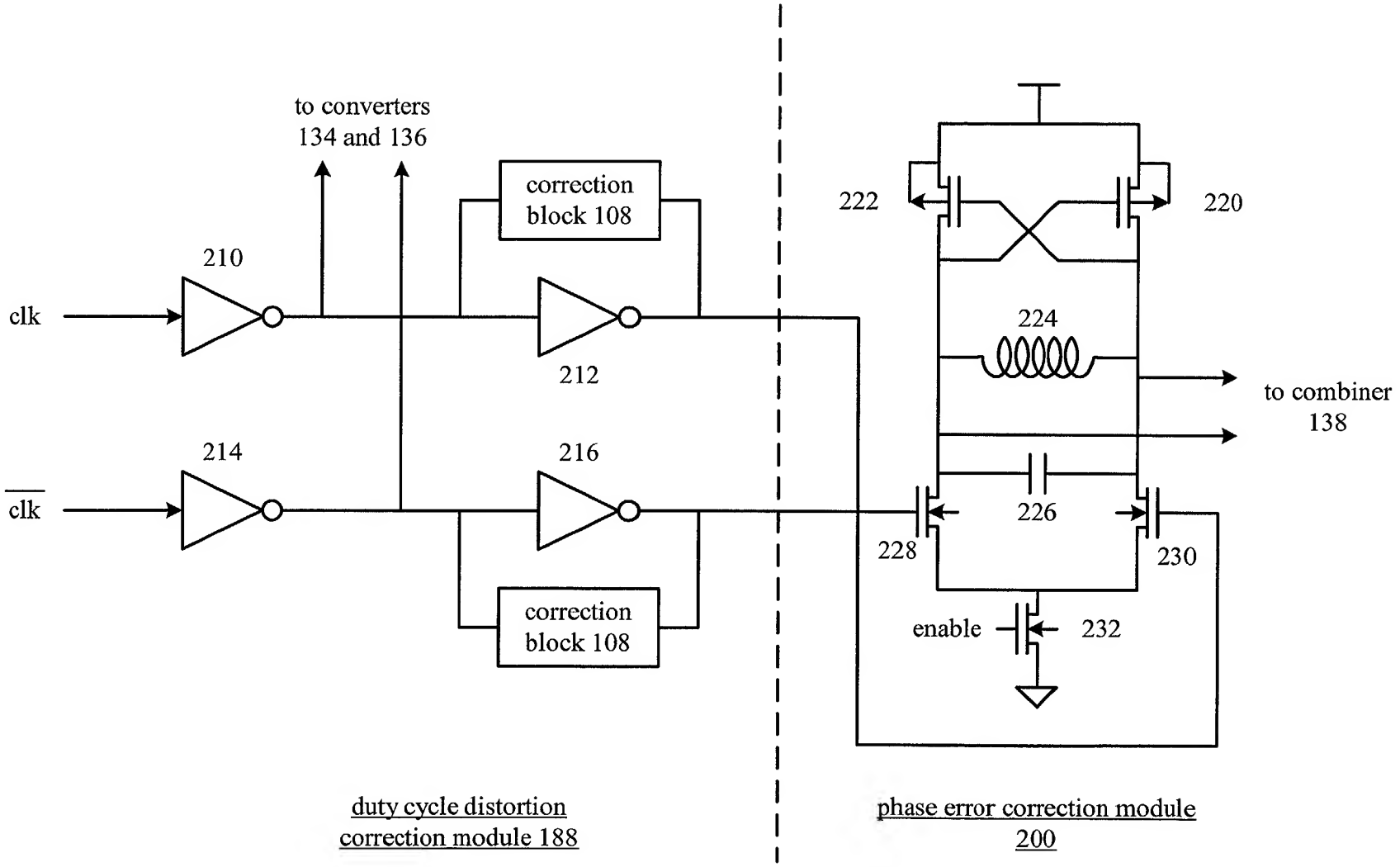
to converters
134 and 136
correction
block 108
210
clk
212
214
clk
216
correction
block 108
222
220
224
to combiner
138
226
228
230
enable
232
duty cycle distortion
correction module 188
phase error correction module
200

FIG. 10

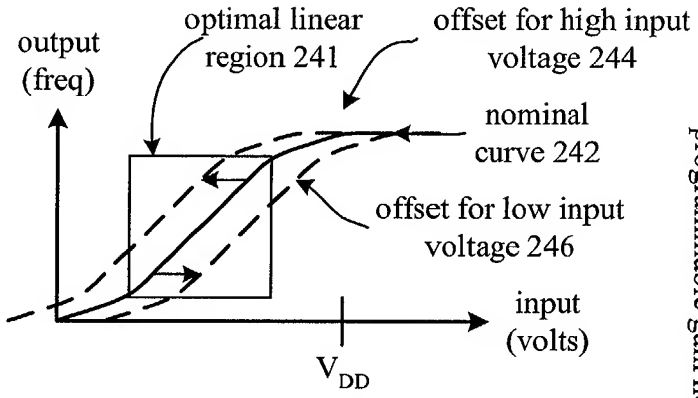

FIG. 11
VCO curve

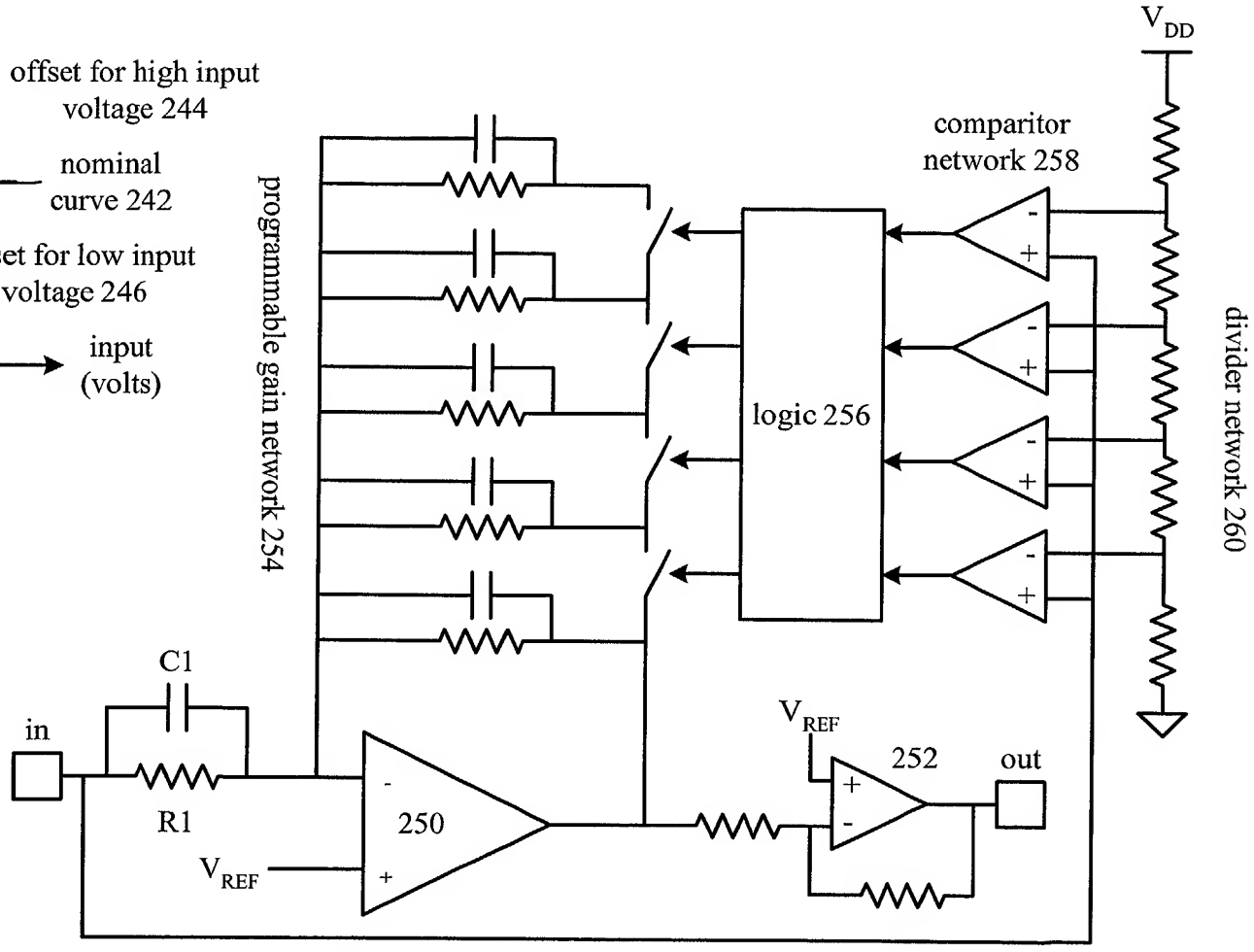

FIG. 12
offset module 181

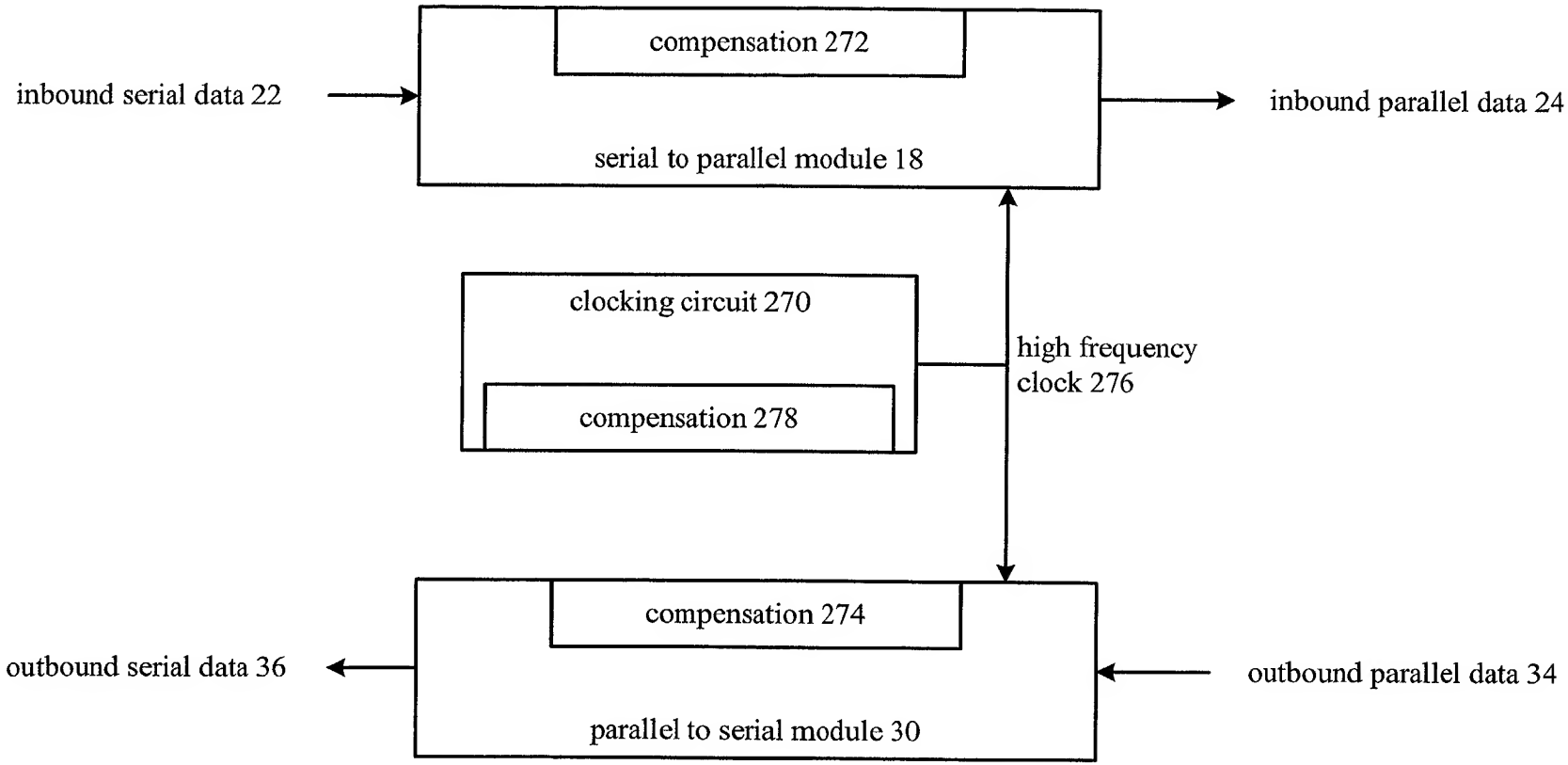

FIG. 13

transceiver 275